

Form PTO-1449 (modified)

Atty. Docket No.
CLFR:183US

Serial No.

09/832,006 069

List of Patents and Publications for Applicant's

Applicant

Marschall S. Runge *et al.*

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:

April 10, 2001

Group:

1634

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	Adachi <i>et al.</i> , "A deletion of mitochondrial DNA in murine doxorubicin-induced cardiotoxicity," <i>Biochem Biophys Res Commun</i> , 195(2):945-951, 1993.
	C2	Andreassi, "Coronary atherosclerosis and somatic mutations: an overview of the contributive factors for oxidative DNA damage," <i>Mutation Research</i> , 543:67-86, 2003.
	C3	Attardi <i>et al.</i> , "New insights into the mechanisms of RNA synthesis and processing in human mitochondria," In: <i>Achievements and Perspectives of Mitochondrial Research</i> , eds Qkuagliarello <i>et al.</i> , Elsevier Science, NY, 145-163, 1985.
	C4	Ballinger <i>et al.</i> , "Hydrogen peroxide- and peroxynitrite-induced mitochondrial DNA damage and dysfunction in vascular endothelial and smooth muscle cells," <i>Circulation Research</i> , 86:960-966, 2000.
	C5	Ballinger <i>et al.</i> , "Mitochondrial genome damage associated with cigarette smoking," <i>Cancer Res.</i> , 56(24):5692-5697, 1996.
	C6	Ballinger <i>et al.</i> , "Maternally transmitted diabetes and deafness associated with a 10.4 kb mitochondrial DNA deletion," <i>Nature Genet</i> , 1(1):11-15, 1992.
	C7	Ballinger <i>et al.</i> , "Mitochondrial integrity and function in atherogenesis," <i>Circulation</i> , 106:554-549, 2002.
	C8	Bandy <i>et al.</i> , "Mitochondrial mutations may increase oxidative stress: implications for carcinogenesis and aging?" <i>Free Rad Biol Med</i> , 8(6):523-539, 1990.

25513518.1

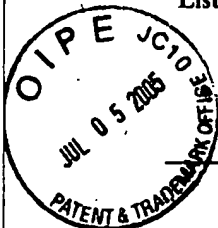
EXAMINER:

J. Goldberg

DATE CONSIDERED:

9/19/05

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.



Form PTO-1449 (modified)

Atty. Docket No.

CLFR:183US

Serial No.

09/832,896-669

List of Patents and Publications for Applicant's

Applicant

Marschall S. Runge *et al.*

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:

April 10, 2001

Group:

1634

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C9	Bason <i>et al.</i> , "Interaction of antibodies against cytomegalovirus with heat-shock protein 60 in pathogenesis of atherosclerosis," <i>The Lancet</i> , 362:1971-1977, 2003.
	C10	Berg <i>et al.</i> , "A new sensitive bioassay for precise quantification of interferon activity as measured via the mitochondrial dehydrogenase function in cells (MTT-method)," <i>APMIS</i> , 98:152-162, 1990.
	C11	Bindoli, "Lipid peroxidation in mitochondria," <i>Free Rad Biol Med</i> , 5(4):247-261, 1988.
	C12	Blanc <i>et al.</i> , "Protective role of uncoupling protein 2 in atherosclerosis," <i>Circulation</i> , 107:388-390, 2003.
	C13	Chen <i>et al.</i> , "Senescence-like growth arrest induced by hydrogen peroxide in human diploid fibroblast F65 cells," <i>Proc. Natl. Acad. Sci., USA</i> , 91:4130-4134, 1994.
	C14	Christianson <i>et al.</i> , "A tridecamer DNA sequence supports human mitochondrial RNA 3'-end formation in vitro," <i>Mol. Cell Biol.</i> , 8(10):4502-4509, 1988.
	C15	Christianson <i>et al.</i> , "In vitro transcription of human mitochondrial DNA: accurate termination requires a region of DNA sequence that can function bidirectionally," <i>Proc. Natl. Acad. Sci., USA</i> , 83(17):6277-6281, 1986.
	C16	Cortopassi <i>et al.</i> , "Detection of a specific mitochondrial DNA deletion in tissues of older humans," <i>Nucleic Acids Research</i> , 18(23):6927-2933, 1990.
	C17	Darley-Usmar <i>et al.</i> , "The simultaneous generation of superoxide and nitric oxide can initiate lipid peroxidation in human low density lipoprotein," <i>Free Radical Res Commun</i> , 17:9-20, 1992.
	C18	Diaz <i>et al.</i> , "Antioxidants and atherosclerotic heart disease," <i>New England Journal of Medicine</i> , 337(6):408-416, 1997.
	C19	Doerson <i>et al.</i> , "Characterization of an Rnase P activity from HeLa cell mitochondria. Comparison with the cytosol Rnase P activity," <i>J. Biol. Chem.</i> , 260(10):5942-5949, 1985.
	C20	Ferrari <i>et al.</i> , "Oxygen-mediated myocardial damage during ischaemia and reperfusion: role of the cellular defences against oxygen toxicity," <i>J Mol Cell Cardiol</i> , 17:937-945, 1985.
	C21	Finkel and Holbrook, "Oxidants, oxidative stress and the biology of ageing," <i>Nature</i> , 408:239-2447, 2000.

25513518.1

EXAMINER:



DATE CONSIDERED:

9/19/05

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

Form PTO-1449 (modified)		Atty. Docket No. CLFR:183US	Serial No. 09/832,096 069
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Marschall S. Runge <i>et al.</i>	
		Filing Date: April 10, 2001	Group: 1634
U.S. Patent Documents See Page 1	Foreign Patent Documents See Page 1	Other Art See Page 1	

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C22	Fossel <i>et al.</i> , "Cell death induced by peroxidized low-density lipoprotein: endopepsis," <i>Cancer Res.</i> , 54(5):1240-1248, 1994.
	C23	Giulivi <i>et al.</i> , "Hydroxyl radical generation during mitochondrial electron transfer and the formation of 8-hydroxydesoxyguanosine in mitochondrial DNA," <i>Arch Biochem Biophys</i> , 316(2):909-916, 1995.
	C24	Goda <i>et al.</i> , "Modulation of mitochondrion-mediated oxidative stress by nitric oxide in human placental trophoblastic cells," <i>Am J Physiol</i> , 271:H1893-1899, 1996.
	C25	Graham <i>et al.</i> , "Peroxynitrate modification of low-density lipoprotein leads to recognition by the macrophage scavenger receptor," <i>FEBS Lett</i> , 330:181-185, 1993.
	C26	Heitzer <i>et al.</i> , "Endothelial dysfunction, oxidative stress, and risk of cardiovascular events in patients with coronary artery disease," <i>Circulation</i> , 104:2673-2678, 2001.
	C27	Holland <i>et al.</i> , "Atherogenic levels of low-density lipoprotein increase hydrogen peroxide generation in cultured human endothelial cells: possible mechanism of heightened endocytosis," <i>J. Cell Phys</i> , 166(1):144-151, 1996.
	C28	Hruszkewyca, "Lipid peroxidation and mtDNA degeneration. A hypothesis," <i>Mut Res</i> , 275(3-6):243-248, 1992.
	C29	Huet <i>et al.</i> , "NADH-dependent dehydrogenase activity estimation by flow cytometric analysis of 3-(4,5-dimethylthiazolyl-2-yl)-2,5-diphenyltetrazolium bromide (MTT) reduction," <i>Cytometry</i> , 13(5):532-539, 1992.
	C30	Knight-Lozano <i>et al.</i> , "Cigarette smoke exposure and hypercholesterolemia increase mitochondrial damage in cardiovascular tissues," <i>Circulation</i> , 105:849-854, 2002.
	C31	Leibovitz <i>et al.</i> , "Neurodegeneration, myocardial injury, and perinatal death in mitochondrial superoxide dismutase-deficient mice," <i>Proc. Natl. Acad. Sci., USA</i> , 93:9782-9787, 1996.
	C32	Lippold, "Quantification succinic dehydrogenases histochemistry," <i>Histochemistry</i> , 76:381-405, 1982.
	C33	Malek <i>et al.</i> , "Hemodynamic shear stress and its role in atherosclerosis," <i>JAMA</i> , 282:2035-2042, 1999.
	C34	McCord, "Free radicals and myocardial ischemia: overview and outlook," <i>Free Rad Biol Med</i> , 4(1):9-14, 1988.

25513518.1

EXAMINER:



DATE CONSIDERED:

9/19/05

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

Form PTO-1449 (modified)

Atty. Docket No.
CLFR:183US

Serial No.

09/832,096 069

List of Patents and Publications for Applicant's

Applicant

Marschall S. Runge *et al.*

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:

April 10, 2001

Group:

1634

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
gy	C35	Nomiyama <i>et al.</i> , "Accumulation of somatic mutation in mitochondrial DNA and atherosclerosis in diabetic patients," <i>Ann NY Acad Sci</i> , 1011:193-204, 2004.
	C36	Ojala <i>et al.</i> , "The tRNA genes punctuate the reading of genetic information in human mitochondrial DNA," <i>Cell</i> , 22(2 pt 2):393-403, 1980.
	C37	Ojala <i>et al.</i> , "tRNA punctuation model of RNA processing in human mitochondria," <i>Nature</i> , 29(5806):470-474, 1981.
	C38	Parthasarathy <i>et al.</i> , "Role of oxidized low density lipoprotein in atherogenesis," <i>Prog Lipid Res</i> , 31:127-143, 1992.
	C39	Sastre <i>et al.</i> , "Aging of the liver: age-associated mitochondrial damage in intact hepatocytes," <i>Hepatology</i> , 24(5):1199-1205, 1996.
	C40	Schauenstein and Hoffer-Bergthaler, "Zur cytospektrometrischen erfassung der succinocytochrome-oxidase-aktivität mit dem MTT-reagens in isolierten zellen," <i>Monatshefte für Chemie</i>, 103:1271-1275, 1972. not in english
gy	C41	Shigenaga <i>et al.</i> , "Oxidative damage and mitochondrial decay in aging," <i>Proc. Natl. Acad. Sci., USA</i> , 91:10771-10778, 1994.
	C42	Slater <i>et al.</i> , "Studies on succinate-tetrazolium reductase systems," <i>Biochim Biophys Acta</i> , 77:383-393, 1963.
	C43	Sorescu <i>et al.</i> , Superoxide production and expression of nox family proteins in human atherosclerosis," <i>Circulation</i> , 105:r40-r46, 2002.
	C44	Steinberg <i>et al.</i> , "Is the oxidative modification hypothesis relevant to human atherosclerosis?" <i>Circulation</i> , 105:2107-2111, 2002.
	C45	Stöllberger and Finsterer, "Atherosclerosis: infection-induced involvement of mitochondrial chaperonins," <i>The Lancet</i> , 362:1949-1950, 2003.
	C46	Topper <i>et al.</i> , "Identification of vascular endothelial genes differentially responsive to fluid mechanical stimuli: cyclooxygenase-2, manganese superoxide dismutase, and endothelial cell nitric oxide synthase are selectively up-regulated by steady laminar shear stress," <i>Proc. Natl. Acad. Sci., USA</i> , 93:10417-10422, 1996.
	C47	Trounce <i>et al.</i> , "Decline in skeletal muscle mitochondrial respiratory chain function: possible factor in ageing," <i>Lancet</i> , 333(8639):637-639, 1989.

25513518.1

EXAMINER:

G. Goldberg

DATE CONSIDERED:

9/19/05

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

Form PTO-1449 (modified)

Atty. Docket No.

CLFR:183US

Serial No.

09/832,005

069

List of Patents and Publications for Applicant's

Applicant

Marschall S. Runge *et al.*

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:

April 10, 2001

Group:

1634

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C48	Williams <i>et al.</i> , "Increased oxidative damage is correlated to altered mitochondrial function in heterozygous manganese superoxide dismutase knockout mice," <i>J. Biol. Chem.</i> , 273(43):28510-28515, 1998.
	C49	Williams, "Canaries in the coal mine: mitochondrial DNA and vascular injury from reactive oxygen species," <i>Circulation Res.</i> , 86:915-916, 2000.
	C50	Yakes <i>et al.</i> , "PCR-based assays for the detection and quantification of DNA damage and repair," In: <i>Technologies for Detection of DNA Damage and Mutations</i> , Pfeifer ed, Plenum, NY, 169-182, 1996.
	C51	Yakes <i>et al.</i> , "Mitochondrial DNA damage is more extensive and persists longer than nuclear DNA damage in human cells following oxidative stress," <i>Proc. Natl. Acad. Sci., USA</i> , 94(2):514-519, 1997.
	C52	Zhang <i>et al.</i> , "The oxidative inactivation of mitochondrial electron transport chain components and ATPase," <i>J. Biol. Chem.</i> , 265(27):16330-16336, 1990.
	C53	Cadenas and Davies, "Oxidative inactivation and proteolytic degradation of mitochondrial proteins," <i>Free Radical Biology and Medicine</i> , 29:222-230, 2000. (Abstract Only)
	C54	Halmosi <i>et al.</i> , "Effect of poly(ADP-ribose) polymerase inhibitors on the ischemia-reperfusion-induced oxidative cell damage and mitochondrial metabolism in Langendorff heart perfusion system," <i>Mol. Pharmacol.</i> , 59(6):1497-1505, 2001.

25513518.1

EXAMINER:

J. Goldberg

DATE CONSIDERED:

9/19/05

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)